

*REMARKS**The Pending Claims*

Claims 1-62 are pending.

Amendments to the Specification

The specification has been amended to make reference to the replacement sequence listing submitted herewith.

The replacement sequence listing differs from the sequence listing filed on November 24, 2008, by the addition of SEQ ID NOs: 214-228. The amino acid sequences according to SEQ ID NOs: 214-228 were included in the originally filed specification and claims (see, e.g., original claims 3, 5, 7, 9, 11, 13, 18, 20, 22, and 24 and paragraphs 0014-0019, 0022-0025, 0519, 0521, 0525, 0527, and 0529 of the original specification).

The replacement sequence listing also differs from the original sequence listing by updates to the applicant information in field <110>, the file reference in field <130>, and the number of SEQ ID NOs in field <160>.

Paragraphs 0014-0019, 0022-0025, 0519, 0521, 0525, 0527, and 0529 of the specification have been amended to recite appropriate sequence identifiers. Paragraph 0014 has been amended to specify that the subscript “o” in the sequence $M^1B_oPZ_mX_nTPLGP$ is an integer selected from 0 to 3, as supported by paragraph 0519 of the original specification, which recites an analogous sequence. Paragraph 0523 of the specification has been amended to correct the formula $LGX^{53}B_oLGI$, as supported by original claim 7 and paragraph 0016 of the original specification. Paragraphs 0519, 0521, 0525, 0527, and 0529 of the specification have been amended to correct typographical errors.

No new matter has been added by way of the amendments to the specification or the submission of the replacement sequence listing.

Amendments to the Claims

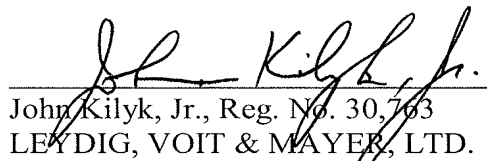
Claims 3-15, 17-27, 29, and 31-41 have been amended to recite appropriate sequence identifiers. Claim 3 has been amended to specify that the subscript "o" in the sequence $M^1B_oPZ_mX_nTPLGP$ is an integer selected from 0 to 3, as supported by paragraph 0519 of the original specification, which recites an analogous sequence. Claim 12 has been amended to delete a duplicate sequence. Claims 24, 29, 32, 35-38, 41, and 60-62 have been amended to improve grammar.

No new matter has been added by way of the amendments to the claims.

Conclusion

If, in the opinion of the Examiner, a telephone conference would expedite the prosecution of the subject application, the Examiner is invited to call the undersigned attorney.

Respectfully submitted,


John Kilyk, Jr., Reg. No. 30,763
LEYDIG, VOIT & MAYER, LTD.
Two Prudential Plaza, Suite 4900
180 North Stetson Avenue
Chicago, Illinois 60601-6731
(312) 616-5600 (telephone)
(312) 616-5700 (facsimile)

Date: November 29, 2011